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Lead storage battery used in motor vehicle - has anode and cathode made of active material paste that includes lead alloy comprising specific amount of antimony, arsenic, copper, silver, tin, bismuth and nickel

Patent Assignee: JAPAN STORAGE BATTERY CO LTD

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 9283137	A	19971031	JP 96115330	A	19960411	199803	B

Priority Applications (Number Kind Date): JP 96115330 A (19960411)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 9283137	A		6	H01M-004/56	

Abstract:

JP 9283137 A

The battery includes an anode and a cathode made from paste of respective active materials. The active material paste consists of lead alloy. The composition of the lead alloy includes 0.0002-0.002 wt% of antimony, 0.0002-0.002 wt% of arsenic, 0.0005-0.003 wt% of copper, 0.0005-0.002 wt% of silver, 0.0001-0.003 wt% of tin, 0.002-0.03 wt% of bismuth and 0.0001- 0.0003 wt% of nickel.

ADVANTAGE - Improves reliability. Promotes recycling of battery. Has high industrial value.

Dwg.1/3

No.		1	2	3	4
組成 / 重 量 %	S b	0.00007	0.0002	0.002	0.004
	A s	0.00005	0.0002	0.002	0.004
	C u	0.00011	0.0005	0.003	0.006
	A g	0.00008	0.0005	0.002	0.005
	S n	0.00004	0.0001	0.003	0.006
	B i	0.00052	0.002	0.03	0.05
	N i	0.00002	0.0001	0.0003	0.0005
備考		従来品	本発明品	本発明品	比較品

Derwent World Patents Index

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